MIGRATION TO AZURE

a „brief" report

AGENDA

- Mission

- How to prepare

- How not to prepare

- How to plan

- How to move

- Done! What now?

- Maintenance… Wait! This can't be…

- So why Azure?

- Is the product still on Azure?

- Q&A

MISSION

- On-Prem Web-MVC-Application (ASP.NET MVC)

- On-Prem Schedular (Windows-Service)

- On-Prem MQ (RabbitMQ)

- On-Prem DB (MSSQL-Server)

- AWS-Services (php-simphony, node.js-express) connection

- VPN

HOW TO PREPARE

- Know your needs! (IaaS, PaaS, SaaS)

- Talk to experts!

- Know your Software

- Know your goals! (Mission is not a goal-list)

- Try on a Pay-as-you-Go-Subscription!!!!

- Most importantly: TAKE YOUR TIME!!!!

HOW NOT TO PREPARE

- The way we did!
  - „You have to be live in 2 Months (including: preparation)"
  - „We did a Load-Test with 5 devs! App works smoothly!" (when your actual product is used by hundreds of users)
  - „Worst-case we'll do IaaS"
  - „Ahh we don't need to involve IT and Devops"
  - „It's PaaS, they'll just run our application and that's it!"

HOW TO MOVE

- Take your time, plan ahead!

- Do a trail-move

- Consider Murphy's law

- Don't do it, when Azure is having outages (there is no way to prepare for this!)

- Involve experts

- Involve your IT department and DevOps

DONE! WHAT NOW?

- You'll never be done, it's fu**ing software, it's never done!

- Monitoring! Monitoring! Monitoring!

- See what other PaaS & SaaS can help you

- You are in a cloud-environment! Make use of it!

MAINTENANCE…WAIT! THIS CAN'T BE…

… right. I thought the hole idea of moving into cloud is so I have less maintenance…

- Yes and No

- Less server administration, if you use PaaS

- Other traps in cloud-environment

- Maintain your application, make it to work better in an cloud-environment

SO WHY AZURE?

- Bunch of PaaS and SaaS not just IaaS

- App Services

- DevTestLab

- AD

- Best Hybrid-Cloud-Solution I've seen

- A lot of DevOps solutions

- Works great with any platform, bunch of sdks for all systems

- Portal and Documentation is good and improving over time

IS THE PRODUCT STILL ON AZURE?

- Short answer: No

- Long answer: No, but not because Azure wasn't feasible…

Q&A